ABSTRACT

A nurse call interface and method of operation is provided as part of a nurse call
interface system which includes a sensor pad for sensing loss of weight thereon. Nurse
call interface is powered by a battery which is regulated by a voltage regulator. A
microprocessor is provided within nurse call interface connected to an LED, alarm and
relay assembly. The relay assembly is connected to a nurse call interface plug which
plugs into a nurse call box wall plate. Microprocessor senses voltage changes from
sensor pad. If a patient gets off the sensor pad, the loss of weight causes a voltage to
exceed 2.5 volts and microprocessor sends a signal to the LED, alarm and relay
assembly actuating each. A nurse call button assembly can be provided as part of the
nurse call interface system which connects to the nurse call interface. If the button of
this assembly is depressed, the LED, alarm, and relay assembly are each actuated.

G:\TDL\NurseAssist\P-7176.2\Application.doc